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INIS ATOMINDEX

AN INTERNATIONAL ABSTRACTING SERVICE

ИНИС АТОМИНДЕКС

CUMULATIVE INDEX

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Part: 1
Personal Author Index

INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 1978

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* Countries marked by an asterisk are those that by the day of edition of this document had formally indicated their willingness to participate in the International Nuclear Information System (INIS).

In addition the following international and regional organizations have formally accepted an invitation to participate in INIS:

Commission of the European Communities (CEC)
Council for Mutual Economic Assistance (CMEA)
European Organization for Nuclear Research (CERN)
Food and Agriculture Organization of the United Nations (FAO)
International Atomic Energy Agency (IAEA)
International Commission on Radiological Protection (ICRP)
International Organization for Standardization (ISO)
Joint Institute for Nuclear Research (JINR)
Nuclear Energy Agency (NEA)
Organization of African Unity (OAU)
United Nations (UN)
World Energy Conference (WEC)
World Health Organization (WHO)

The Agency's Statute was approved on 23 October 1956 by the Conference on the Statute of the IAEA held at United Nations Headquarters, New York; it entered into force on 29 July 1957. The Headquarters of the Agency are situated in Vienna. Its principal objective is "to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world".

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December 1978
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INTRODUCTION

The International Nuclear Information System (INIS)

INIS is a cooperative, decentralized information system set up by the International Atomic Energy Agency and its Member States. Its purpose is to construct a data base identifying publications relating to nuclear science and its peaceful applications. Member States and cooperating international organizations scan the scientific and technical literature published within their boundaries or by them, select from it those items which fall within the subject scope of INIS[1] and process the data according to the agreed standards and rules. Document descriptions, abstracts and, in certain cases, full texts of the literature are then submitted to the IAEA Headquarters, where those data are merged and the INIS output products compiled. The following services are issued:

- The INIS magnetic tape service
- **INIS Atomindex**: a semi-monthly abstracting journal[2]
- INIS non-conventional literature on microfiche[3]

Availability and price of INIS services

MAGNETIC TAPE SERVICE

This semi-monthly service, providing magnetic tapes containing all records submitted to the system, is available only to participating Member States and International Organizations. National INIS centres in many countries are utilizing INIS tapes in the provision of national information services. Available services vary from country to country and interested persons are requested to contact their national INIS Liaison Officer whose name and address appear on the inside cover of this journal.

INIS Atomindex

Available to the public on annual subscription. Prices for 1978 are:

(a) Yearly subscription including Cumulative Indexes (by surface mail)
US $150.00
additional rate for airmail (from Vienna):
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(b) Yearly subscription: Issues Nos. 1–24 only (by surface mail)
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US $90.00

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US $40.00
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Orders should be sent to:

Publishing Section
International Atomic Energy Agency
P.O. Box 590
A-1011 Vienna, Austria

in the United States of America to:

UNIPUB
P.O. Box 433, Murray Hill Station
New York, N.Y. 10016

INIS NON-CONVENTIONAL LITERATURE ON MICROFICHE

Available to the public. (See also the order form printed in the back of this issue).

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Standing orders:	US $0.20 per microfiche
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INIS Clearinghouse
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P.O. Box 590
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BACK ISSUES

Back copies of most issues of **INIS Atomindex** published since April 1970 are still available.

Price per issue:	Vol. 1 to Vol. 5	US $1.50
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Prior to Volume 7, 1976, abstracts for most items were not printed in **INIS Atomindex** but were published on microfiche. Backsets of the INIS Abstracts on microfiche covering vols. 1 to 6 of **INIS Atomindex** are still available from the INIS Clearinghouse. Cost is US $45.00 per volume.

CUMULATIVE INDEXES

Cumulative indexes to **INIS Atomindex** are published twice yearly covering the twelve issue indexes published in the months of January to June and July to December. The present Cumulative Index covers issues 13–24 of Vol.9, i.e. the issues published from 1 July to 15 December 1978. It consists of:

Part 1: Personal Author Index;
Part 2: Corporate Entry Index,
Conference Index,
Report, Standard and Patent Number Index;
Part 3: Subject Index.

[1] The scope of INIS is defined by the scope of the IAEA's interests. Full details of the INIS scope are printed in IAEA-INIS-3, INIS: Subject Categories and Scope Descriptions. This is a publication in the INIS Reference Series which defines the standards and rules for INIS. Copies of all documents in the INIS Reference Series are available from the IAEA, Vienna.

[2] **INIS Atomindex** is prepared from the semi-monthly INIS magnetic tapes by computer-driven photocomposition methods. The bulk of the information contained in the magnetic tapes is printed in **INIS Atomindex**. The major exception to this are the subject descriptors, whose main use is for computer-searching. These are omitted from all **INIS Atomindex** entries that are accompanied by abstracts.

[3] In INIS, "non-conventional literature" is defined as all literature other than journal articles or commercially published books.

Previous Cumulative Indexes have been published, as follows:

Issues Covered	Price
Vol. 1, No. 1–Vol. 3, No. 4	US $12.00
Vol. 3, Nos. 5–12	US $8.00
Vol. 4, Nos. 1–12	US $5.00
Vol. 4, Nos. 13–24	US $5.00
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Vol. 8, Nos. 1–12	US $20.00
Vol. 8, Nos. 13–24	US $20.00
Vol. 9, Nos. 1–12	US $20.00

Back copies of the above are still available. In addition, a 5-year Cumulative Report, Standard and Patent Number Index, Covering Vol.3, No.5–Vol.8, No.12, is available. Price: US $9.50.

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How to use this Cumulative Index

Each index entry refers to the RN (reference number) of the appropriate main entry in an issue of **INIS Atomindex**. The range of RNs in the issues covered by this cumulation is as follows:

RN 380167–RN 384163	Vol.9, No.13
RN 384164–RN 386965	Vol.9, No.14
RN 386966–RN 390015	Vol.9, No.15
RN 390016–RN 392634	Vol.9, No.16
RN 392635–RN 396228	Vol.9, No.17
RN 396229–RN 399319	Vol.9, No.18
RN 399320–RN 402335	Vol.9, No.19
RN 402336–RN 405431	Vol.9, No.20
RN 405432–RN 408976	Vol.9, No.21
RN 408977–RN 412285	Vol.9, No.22
RN 412286–RN 415111	Vol.9, No.23
RN 415112–RN 419364	Vol.9, No.24

Personal Author Index

The name of each personal author of every document cited is listed in the form in which it appears in the main entry. Hence, an author's name may appear more than once, depending on whether a forename is spelled out or only initials are given. Note also that names preceded by "name fragments", such as "de", "van", "von", etc., may appear either under the name fragment or under the main part of the name, depending on local practices for treating such names.

Each entry gives the full title of the document and the RN of the main entry for that document. If the document is a technical report or patent document, the report number or patent number is given in brackets, following the title.

Examples:

Berg, B.
Additional conservation laws in the Thirring model. 264528
Particle number conservation in the massive Thirring model. 264527

Berg, C.J.M. van den
Coded aperture imaging and the introduction of the modulated zone plate in nuclear medicine. (CEA–CR–6) 251473
A refocussing filter based on Fridman's theorem, applied to Tl–201 myocardial scintigrams. (CEA–CR–6) 251497

Van De Woestijne, K.P.
Horizontal gradient in ventilation distribution due to a localized chest wall abnormality. 255646

Van den Berg, J.A.
Equilibrium studies of the uranyl oxalate system in acidic aqueous solution. 270151

Corporate Entry Index

The names of corporate entries are listed in the form specified in INIS: Authority List for Corporate Entries and Report Number Prefixes (IAEA-INIS-6). Whenever appropriate, references are made from superseded forms of the corporate names, or from forms that have not been adopted, to the forms of the names used in this index. Note, however, that index entries are not included for corporate bodies cited only as an author's affiliation.

Each entry gives the full title of the document for which the corporate body is responsible, and the RN for the main entry of that document. If the document is a technical report or patent document the report number or patent document number is given in brackets, following the title.

Examples:

Aerojet Energy Conversion Co., Sacramento, Calif. (USA)
Fluid bed dryer and Aeropep solidification system. 229118
Fluid bed dryer and Aeropep solidification system. Amendment 1 to topical report. 220568

INSA, 69 – Villeurbanne (France)
See Institut National des Sciences Appliquees (INSA), 69 – Villeurbanne (France)

Institut National des Sciences Appliquees (INSA), 69 – Villeurbanne (France)
Course on heat transfer. 228702, 230962, 233713
Creep and relaxation in steels. 245790, 245797, 245799, 245812
Current methods for studying gas–surface interactions. 229712, 231577, 234497, 234562, 238367
Industrial applications of electron beam bombardment. 225876, 227736, 227751
Non–destructive testing using special techniques. Degree III: engineers. 229087, 229088
Non–destructive testing: magnetoscopy, liquid penetrant inspection, eddy current testing. Degree III: engineers. 229086
Non–destructive testing: ultrasonic waves. Degree III: engineers. 229089

Conference Index

This index is divided into two parts. The first part is arranged in chronological order by the date of the meeting. Other information given includes the place (city or town) where the meeting was held, the name of the meeting, and the RN's of the main entries for all documents presented at, or resulting from the meeting and listed in the issues of **INIS Atomindex** covered by this cumulation.

The second part of the index repeats the above information but this time the entries are arranged in alphabetical order by the name of the place in which the meeting was held.

Examples:

76 Mar 1. Toulouse, France. International colloquium on solar electricity. 293922.
76 Mar 2. Golden, Colorado, USA. Interagency Mechanical Operations Group meeting. 283257, 284029.
76 Mar 9. Dublin, Ireland. International conference on physics in industry. 297370, 297379, 297384, 297541, 298153, 298173, 298178, 298182, 298205, 298744, 299136, 299319, 299353, 299364, 299477, 299831, 299921, 299944, 300058.

Glasgow, UK. 76 Apr 7. Annual Chemical Congress. 287782.
Goettingen, Germany, F.R. 75 May 26. 4. German symposium on nuclear law. 290006, 290325, 290329, 290341, 290346, 290349, 290350, 291073, 291075, 291076, 291077, 291078, 291079, 291080, 291081, 291082, 291083, 291084, 291085, 291086, 291087, 291088, 291089, 291090, 291091, 291093, 291094.
Golden, Colorado, USA. 76 Mar 2. Interagency Mechanical Operations Group meeting. 283257, 284029.

Report, Standard and Patent Number Index

Entries for publications are arranged according to the number assigned to them by the organizations or institutions responsible for their production or distribution. If a document has not been assigned a reference number at the source, it is assigned an INIS-mf– number by the INIS Secretariat. Patent numbers are listed under the general heading PATENTS.

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Examples:

CEA-CONF
CEA-CONF–3695 313867 Copies available from Service de Documentation, CEN Saclay, BP No2, 91190 Gif-sur-Yvette (France).

D
D-456228
See N–76-22136

DIN
DIN–25403(Pt.4) 315707 Publisher

DOCKET-STN-5056
DOCKET-STN-50568–1 316143 INIS

DP
DP–1452 315036 INIS

Subject Index

Each document listed in **INIS Atomindex** is entered under one or more alphabetically listed subject headings. These are constructed from descriptors selected from among those assigned to the magnetic-tape record for the document, and usually consist of a pair of descriptors, one used as a main heading and the second as a qualifier of that main heading. The main headings are selected to describe as specifically as possible an important concept in the document, and the qualifiers are selected to provide further information about the main heading. Occasionally, a document is so general or covers so many aspects of the concept represented by the main heading that the use of a qualifier is not appropriate. The full index entry includes, in addition to the title of the document, the one or more subject categories that have been assigned to the document (printed in brackets), and the RN of the main entry for the document. Additional information on the content of the document may be included within the brackets with the categories as an augmentation of the title.

The subject index also includes references from terms not adopted for indexing to the approved terms (descriptors) under which information may be found (**see** references); **see also** references are intended to guide the index user from one subject heading to another under which related material may also be indexed.

For additional guidance to subject headings under which references of interest might be found, see INIS: Thesaurus (IAEA-INIS-13).

Examples:

ALVEOLI (PULMONARY):
See LUNGS
AMERICIUM:
electric conductivity
The electrical resistivity of ^{241}Am metal. (B22). 354557
AMERICIUM COMPOUNDS:
ion exchange chromatography
Separation of Am, Cm and rare-earths on the colloidal fraction of an anion-exchange resin deposited on an inert carrier. (B13). 354400
Separation of Am, Cm and rare-earths by continuous two-dimensional ion-exchange chromatography. (B13). 354405
AMERICIUM ISOTOPES:
See also AMERICIUM 241
AMERICIUM 241:
clearance
Decorporation of ^{241}Am and ^{252}Cf by Ca-DTPA from rat, Syrian and Chinese hamster. (C21). 354868
electric conductivity
The electrical resistivity of ^{241}Am metal. (B22). 354557
internal irradiation
The dosimetry of ^{241}Pu reconsidered. (C55). 355044
AMIDES:
See also ACRYLAMIDE
AMINES:
See also ANILINE; HYDROXYLAMINE; TRYPTAMINES
liquid column chromatography
Use of high performance liquid chromatography to separate very small quantities of radio-labelled metabolites from biological tissue. (C42; Acaricides; amitraz). 354909
AMINO ACIDS:
See also CYSTEINE; DTPA; FOLIC ACID; KYNURENINE; THYROXINE; TRYPTOPHAN
AMINOBENZENE:
See ANILINE
AMMONIA:
electron-molecule collisions
Differential cross sections for 35keV electrons elastically scattered from NH_3. (A12). 353297
AMMONIUM COMPOUNDS:
neutron diffraction
Studying the rotation of the NH_4 ion in ammonium chloride by means of high-resolution neutron spectroscopy. (A13, B12). 353495

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Availability: SGAE reports: Free of charge
Photocopies of Austrian journal articles in nuclear sciences: free of charge

Bangladesh

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Availability: Photocopies of Bangladesh Publications

Belgium

Source: The Library
Centre d'Etude de l'Energie Nucléaire
CEN/SCK, Boeretang 200
B-2400 Mol

Availability: Microfiches: BF 17.50 per microfiche (incl. postage)
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Availability: Photocopies: 20 R/S per page (incl. air mail postage)

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Tokyo 100-91 - Telephone: (03) 581-6411

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